Amendments to the Claims

Please amend claims 4, 5, 9, 12, 14, 17, 19, 20, 24, 25, 29, 32 and 34. The currently
pending claims as amended are listed below.

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1   1.   (Original)   A method of data access code generation, comprising:

2   a)   describing a data object in a data object description document;

3   b)   applying at least one code generation template to said data object description

4   document;

5   c)   generating at least one data access class.

1   2.   (Original)   The method according to claim 1, wherein said data object description

2   document conforms to a data object document type definition.

1   3.   (Original)   The method according to claim 1, wherein steps b) and c) are performed by a

2   data access code generator routine.

1   4.   (Currently Amended)   The method according to claim 1, wherein said at least one data

2   access class is a data access ~~Java~~ JAVA class.

1   5.   (Currently Amended)   The method according to claim 1, wherein said data object

2   description document is created in Extensible Markup Language (XML) language.

1   6.   (Original)   The method according to claim 1, wherein said at least one code generation

2   template is implemented in a transformation language.

1   7.   (Original)   The method according to claim 6, wherein said transformation language is

2   Extensible Stylesheet Language (XSL).

3   8.   (Original) The method according to claim 3, wherein said data access code generator

4   takes said data object description document and said at least one code generation template as

5   inputs and outputs said at least one data access class.

1   9.   (Currently Amended) A method of generating data access ~~Java~~ <u>JAVA</u> classes,

2   comprising:

3   a)   creating a XML data object description;

4   b)   applying a plurality of code generation templates to said XML data object

5   description;

6   c)   generating at least one data access ~~Java~~ <u>JAVA</u> class.

1   10.   (Original) The method according to claim 9, wherein said XML data object description is

2   created pursuant to a data object document type definition.

1   11.   (Original) The method according to claim 9, wherein steps b) and c) are performed by a

2   data access code generator routine.

1   12.   (Currently Amended) The method according to claim 11, wherein said data access code

2   generator takes said XML data object description and said at least one code generation template as

3   inputs and outputs said at least one data access ~~Java~~ <u>JAVA</u> class.

1   13.   (Original) A method of data access code generation in an object-oriented programming

2   environment, comprising:

3   a)   describing a data object in a data object description document;

4   b)   applying at least one code generation template to said data object description

5   document;

6   c)   generating at least one data access class.

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7   14.   (Currently Amended)   The method according to claim 13, wherein said object-oriented

8   programming environment is ~~Java~~ the JAVA programming environment.

1   15.   (Original)   The method according to claim 13, wherein said data object description

2   document conforms to a data object document type description.

1   16.   (Original)   The method according to claim 13, wherein said code generation template is

2   an Extensible Stylesheet Language (XSL) document.

1   17.   (Currently Amended)   An apparatus for generating data access code comprising:

2   a)   a data object descriptor;

3   b)   ~~a~~ at least one code generation template; and

4   c)   a code generator operative to generate at least one data access class.

1   18.   (Original)   The apparatus according to claim 17, wherein said data object descriptor is

2   operative to describe a data object that conforms to a data object document type definition.

1   19.   (Currently Amended)   The apparatus according to claim 17, wherein said at least one

2   code generation template is operative to define the transformation of ~~said~~ a data object description

3   comprising data object descriptors to said at least one data access class.

1   20.   (Currently Amended)   The apparatus according to claim 17, wherein said at least one data

2   access class is a data access ~~Java~~ JAVA class.

1   21.   (Original)   The apparatus according to claim 17, wherein said data object descriptor is

2   created in Extensible Markup Language (XML).

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1   22.   (Original) A program product, said program product comprising:

2   a)   memory; and

3   b)   a data access code generator stored on said memory, said data access code

4   generator being configured to perform the steps of,

5   i)   describing a data object in a data object description document;

6   ii)   applying at least one code generation template to said data object

7   description document; and

8   iii)   generating at least one data access class.

1   23.   (Original) The program product of claim 22, wherein said data object description

2   document conforms to a data object document type definition.

1   24.   (Currently Amended) The program product of claim 22, wherein said at least one data

2   access class is a data access ~~Java~~ JAVA class.

1   25.   (Currently Amended) The program product of claim 22, wherein said data object

2   description document is created in Extensible Markup Language (XML) <u>language</u>.

1   26.   (Original) The program product of claim 22, wherein said at least one code generation

2   template is implemented in a transformation language.

1   27.   (Original) The program product of claim 26, wherein said transformation language is

2   Extensible Stylesheet Language (XSL).

1   28.   (Original) The program product of claim 24, wherein said data access code generator

2   takes said data object description document and said at least one code generation template as

3   inputs and outputs said at least one data access class.

4   29.   (Currently Amended)   A program product, said program product comprising:

5   a)   memory; and

6   b)   a program stored on said memory, said program being configured to perform the

7   steps of,

8   i)   creating a XML data object description;

9   ii)   applying a plurality of code generation templates to said XML data object

10   description; and

11   iii)   generating at least one data access ~~Java~~ <u>JAVA</u> class.

1   30.   (Original)   The program product of claim 29, wherein said XML data object description is

2   created pursuant to a data object document type definition.

1   31.   (Original)   The program product of claim 29, wherein steps ii) and iii) are performed by a

2   data access code generator routine.

1   32.   (Currently Amended)   The program product of claim 31, wherein said data access code

2   generator takes said XML data object description and said at least one code generation template as

3   inputs and outputs said at least one data access ~~Java~~ <u>JAVA</u> class.

1   33.   (Original)   A program product, said program product comprising:

2   a)   memory; and

3   b)   a program stored on said memory, said program being configured to perform the

4   steps of,

5   i)   describing a data object in a data object description document;

6   ii)   applying at least one code generation template to said data object

7   description document;

8   iii)   generating at least one data access class.

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9   34.   (Currently Amended)   The program product of claim 33, wherein said object-oriented

10   programming environment is ~~Java~~ <u>the JAVA programming environment</u>.

1   35.   (Original)   The program product of claim 33, wherein said data object description

2   document conforms to a data object document type description.

1   36.   (Original)   The program product of claim 33, wherein said code generation template is an

2   Extensible Stylesheet Language (XSL) document.